ADDENDUM NO. 1

OWNER: BREWSTER CENTRAL SCHOOL DISTRICT
30 FARM TO MARKET ROAD
BREWSTER, NY 10509

PROJECT NAME: CV STARR INTERMEDIATE SCHOOL
CAFETORIUM ADDITION, INTERIOR RENOVATIONS & RELATED WORK
SED #: 48-06-01-06-0-001-026

The attention of Bidders submitting proposals for work on the Security Vestibule, Synthetic Field and Related Work at Brewster High School is called to the following Addendum to the Contract Forms and Specifications.

The items set forth herein, whether of omission, addition, substitution or clarification are to be included in and form a part of the proposal submitted. This Addendum is hereby included in and made a part of the Contract Documents, dated December 9, 2024, whether or not attached thereto. All requirements of the original project specifications and drawings shall remain in force except as amended by this addendum.

This Addendum contains changes to the requirements of the Contract Documents. Such changes shall be incorporated into the contract Documents and shall apply to the work with the same meaning and force as if they had been included in the original documents. Wherever or any portion of a drawing, the remainder of the paragraph or drawing affected shall remain in force.

The conditions of the Specifications shall govern all work described in this Addendum. Wherever the conditions of work and the quality or quantity of materials or workmanship are not fully described in this Addendum, the conditions of work, etc., described by the Specifications or drawings for similar items of work shall apply to the work described in this Addendum.

DATE: December 20, 2024

This addendum consists of 2 pages plus revised Bid Form – Contract #1 General Construction, Logistics drawings CVS L100, CVS L101, CVS L103, CVS L104, revised drawings CVS C401, CVS C402, CVS C403, CVS C404, CVS C405 and CVS C606, specification section 21 1313 Wet Pipe Sprinkler System and Sketch SK-A1.0.

THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS TO THE SPECIFICATIONS:

SECTION 00 2113 – INSTRUCTIONS TO BIDDERS
00 2113-5, 1.17 **ADD** “C. Prime contractors note that all subcontractors shall provide proof of registration with NYSDOL prior to commencing any work on this project.”.

SECTION 00 4100 – BID FORM – CONTRACT #1 GENERAL CONSTRUCTION
00 2113-5, 1.17 **ADD** “C. Prime contractors note that all subcontractors shall provide proof of registration with NYSDOL prior to commencing any work on this project.”.

SECTION 01 1000 – SUMMARY OF CONTRACTS
01 1000-11, 1.16 B. **ADD** “DIVISION 21 – FIRE PROTECTION; 21 1313 Wet Pipe Sprinkler System”.

SECTION 01 2300 – ALTERNATES
01 2300-1, 1.5 **ADD** “F. Alternate No. GC-6 – Conduit for future access road lighting: The Contractor for Contract #1 General Construction work shall state the amount to be ADDED To the Base Bid to provide, furnish and install all labor, equipment and material to install one (1) 2” diameter PVC schedule 40 with pull wire and eight (8) ground level pull boxes along the access road from Brewster High School to CV Starr Intermediate School.”.

SECTION 08 5113 – ALUMINUM WINDOWS
08 5113-3, 1.7 B.12 and 13 **DELETE** in their entirety.

SECTION 21 1313 WET PIPE SPRINKLER SYSTEM
ADD section attached to this addendum.

THE FOLLOWING ARE MODIFICATIONS, CLARIFICATIONS, DELETIONS OR ADDITIONS TO THE DRAWINGS:

DRAWING CVS A10 – OVERALL GROUND FLOOR PLAN
ADD Pump House Plan as shown on Sketch SK-A1.0 attached to this addendum.

DRAWING CVS ED101 – ELECTRICAL LIGHTING AND POWER DEMO PLAN
ADD Demolition Coded Notes #1 and #2 to the exit corridor to the loading dock.

END OF ADDENDUM NO. 1

The following attachments are being provided for informational purposes:
Pre-Bid walkthrough Sign-in Sheet.

Bidder RFI Responses (In the event of a discrepancy between these responses and the contract documents, the contract documents shall prevail unless modified by addendum.)

Bid RFI-#001 dated 12/17/2024 (2 pages).
Bid RFI-#002 dated 12/17/2024 (2 pages).

SECTION 00 4100
BID FORM - CONTRACT #1 GENERAL CONSTRUCTION

THE PROJECT AND THE PARTIES

TO:

Brewster Central School District
30 Farm To Market Road
Brewster, New York 10509

FOR:

CV Starr Cafetorium Addition, Interior Renovation & Related Work at:
CV Starr Intermediate School
20 Farm To Market Road:
Brewster, New York 10509

Project Number: 23505.02

DATE: _____ (Bidder to enter date)

SUBMITTED BY: _____

Bidder's Full Name _____

Address_____

City, State, Zip_____

Contact Individual and Telephone No. _____

1.1 OFFER

A. Having examined the Place of The Work and all matters referred to in the Bidding Requirements and the Contract Documents prepared by Architect for the above mentioned project, we, the undersigned, hereby offer to enter into a Contract to perform Contract #1 General Construction Work for the Sum of:

1. BASE BID FOR CV Starr Intermediate School
   a. The Base Bid of this Proposal for all work required by the Contract Documents for Contract # 1 General Construction is as follows:

      _____
      _____($_____) DOLLARS

2. CONTINGENCY ALLOWANCES
   a. The Total Contingency Allowances as indicated in Section 01 2100 - Allowances Allowances is as follows:

      _____($_____) DOLLARS

      Note: Attach Section 01 2100 - Allowances itemized contingency list to bid proposal.

3. TOTAL BASE BID
   a. The Total Base Bid of this Proposal for all work required by the Contract Documents for Contract #1 General Construction and Related Work at the CV Starr Intermediate School is as follows:

      _____
      _____($_____) DOLLARS

B. The undersigned further understands and agrees that he is to furnish and provide all the necessary material, machinery, plant, implements, tools, labor, services, skill and other items of whatever nature required, and to do and perform all the work necessary under the Contract, to complete the work in

accordance with the drawings and specifications and any addenda thereto, and to accept in full compensation therefore the amount of the Total Bid stated, modified by such additive- or deductive alternatives, if any as are accepted by the Owner.

C. We have included the required security Bid Bond as required by the Instruction to Bidders.

D. We have included the required performance assurance bonds in the Bid Amount as required by the Instructions to Bidders.

E. All applicable federal taxes are included and New York taxes are included in the Bid Sum.

F. All Allowances described in Section 01 2100 - Allowances are included in the Bid Sum.

1.2 ALTERNATES

A. Alternate No. GC-1: Connecting Corridor and SGI Classroom.

1. The Contractor for Contract #1 General Construction work shall state the amount to be ADDED TO the Base Bid to to provide, furnish and install all labor, equipment and material for all work related to the in accordance with specifications and as shown on the contract drawings.

_____ ($_____) DOLLARS

B. Alternate No. GC-2 :Elevator and Vestibule

1. The Contractor for Contract #1 General Construction work shall state the amount to be ADDED TO the Base Bid to to provide, furnish and install all labor, equipment and material to provide, furnish and install all work related to the construction of an Elevator and Vestibule in accordance with specifications and as shown on the contract drawings

_____ ($_____) DOLLARS

C. Alternate No. GC-3 : Sight- Proof Louvers

1. The Contractor for Contract #1 General Construction work shall state the amount to be ADDED TO the Base Bid to provide, furnish and install all labor, equipment and material required to install all work related to the construction of Sight-Proof Louvers and supports in accordance with the specifications and as shown on the contract drawings.

_____ ($_____) DOLLARS

D. Alternate No. -GC-4 : Terrazzo Tile Floor in Cafetorium

1. The Contractor for Contract #1 General Construction work shall state the amount to be ADDED TO the Base Bid to to provide , furnish and install all labor, equipment and material required to install all work related to Terrazzo Tile Flooring in lieu of the specified Base Bid material,in accordance with the specifications and as shown on the contract drawings.

_____ ($_____) DOLLARS

E. Alternate No. GC-5 - Glazed Block

1. The Contractor for Contract #1 General Construction work shall state the amount to be ADDED TO the Base Bid to to provide , furnish and install all labor, equipment and material required to install work related to Glazed Block as shown on the contract drawings.

_____ ($_____) DOLLARS

F. Alternate No. - GC-6 - Conduit

1. The Contractor for Contract #1 General Construction work shall state the amount to be ADDED TO the Base Bid to provide, furnish and install all labor, equipment and material required for one PVC Schedule 40 conduit, 2 inches in diameter with pull wire and eight ground level pull boxes along the access road from Brewster High School to the CV Starr Intermediate School

_____ ($_____) DOLLARS

1.3 ACCEPTANCE

A. This offer shall be open to acceptance and is irrevocable for forty-five (45) days from the bid closing date.

B. If this bid is accepted by Brewster Central School District within the time period stated above, we will:

1. Execute the Agreement within seven days of receipt of Notice of Award.
2. Furnish the required bonds within ten days of receipt of Notice of Award.

C. If this bid is accepted within the time stated, and we fail to commence the Work or we fail to provide the required Bond(s), the security deposit shall be forfeited as damages to Brewster Central School District by reason of our failure, limited in amount to the lesser of the face value of the security deposit or the difference between this bid and the bid upon which a Contract is signed.

1.4 REJECTION OF BIDS

A. The undersigned agrees that the Owner shall have the right to accept or reject any or all bids.

1.5 CONTRACT TIME

A. If this Bid is accepted, we will:
1. Complete all the work covered by this Proposal with a commencement date of NO EARLIER THAN Award of Contract by Owner. Work shall be phased as indicated in 01 1010 Milestone Schedule. Failure to complete each phase of work by dates indicated will result in liquidated damages as stated in the General Conditions.

1.6 CHANGES TO THE WORK

A. Refer to General Conditions.

1.7 ADDENDA

A. The following Addenda have been received. The modifications to the Bid Documents noted below have been considered and all costs are included in the Bid Sum.
1. Addendum # _____ Dated _____.
2. Addendum # _____ Dated _____.
3. Addendum # _____ Dated _____.
4. Addendum # _____ Dated _____.
5. Addendum # _____ Dated _____.
6. Addendum # _____ Dated _____.
7. Addendum # _____ Dated _____.
8. Addendum # _____ Dated _____.

1.8 BID FORM SUPPLEMENTS

A. The following information is included with bid proposal and submission:
1. Allowances: In accordance with Section 01 2100.

B. The following shall be are attached to this Bid Form and are considered an integral part of this Bid Form:
1. Section 004401 - Contractor’s Qualification Statement .
2. Section 00 4460 - Certification of Compliance with the Iran Disinvestment Act OR
3. Section 00 4470 - Declaration of Bidder's Inability to Provide Certification of Compliance.
4. Section 00 4476 - Insurance Certification.
5. Section 00 6000 - Project Forms.

1.9 NON-COLLUSIVE BIDDING CERTIFICATION

A. By submission of this bid or proposal:
1. The undersigned bidder and the person or persons signing on behalf of the bidder, and should this bid be a joint bid, each party thereto, certifies as to its own organization, under penalty of perjury, that to the best of knowledge and belief:
a. The prices in this bid have been arrived at independently without collusion, consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.

b. Unless otherwise required by law, the prices which have been quoted in this bid have not been knowingly disclosed by the bidder and will not knowingly be disclosed by the bidder prior to opening, directly or indirectly, to any other bidder or to any competitor.

c. No attempt has been made or will be made by the bidder to induce any other person, partnership or corporation to submit or not to submit a bid for the purpose of restricting competition.

1.10 BIDDER'S FURTHER AFFIRMATION AND DECLARATION

A. The above name bidder and should this bid be a joint bid each party thereto, further affirm and declares:

1. That said bidder is of lawful age and the only one interested in this bid; and that no other person, firm or corporation, except those herein above named, has any interest in this bid or in the contract proposed to be entered into.
2. That this bid is made without any understanding, agreement or connection with any other person, firm, or corporation making a bid for the same work, and is in all respects fair and without collusion or fraud.
3. That said bidder is not in arrears to the Brewster Central School District upon debt or contract, and is not a defaulter, as surety or otherwise upon any obligation to the said Brewster Central School District
4. That no member of the Brewster Central School District or any officer or employee of the Brewster Central School District or person whose salary is payable in whole or in part from the said school district treasury, or the spouse of any foregoing is or shall be or become interested, directly or indirectly, as a contracting party, partner, stockholder, surety or otherwise, in this bid, or in the performance of the Contract, or in the supplies, materials or equipment and work or labor to which it relates, or in any portion of the profits thereof.
5. That he/she has carefully examined the site of the work and that, from his/her own investigations, he/she has satisfied him/herself as to the nature and location of the work, and character, quality and quantity of materials, and all difficulties likely to be encountered, the kind and extent of equipment and other facilities needed for the performance of the work, the general and local conditions, and all other items which may, in any way, affect the work or its performance.
6. That if a corporation, this bid or proposal containing the Non-Collusive Binding Certification and the foregoing Affirmation and Declaration has been authorized by the Board of Directors of such Corporation, which authorization includes the signing and submission of this bid or proposal and the inclusion therein of the said Certificate of Non-Collusion and Affirmation and Declaration as the Act and Deed of the Corporation.

1.11 BID FORM SIGNATURE(S)

The Corporate Seal of

_____

(Bidder - print the full name of your firm)

was hereunto affixed in the presence of:

_____

(Authorized signing officer, Title)

(Seal)

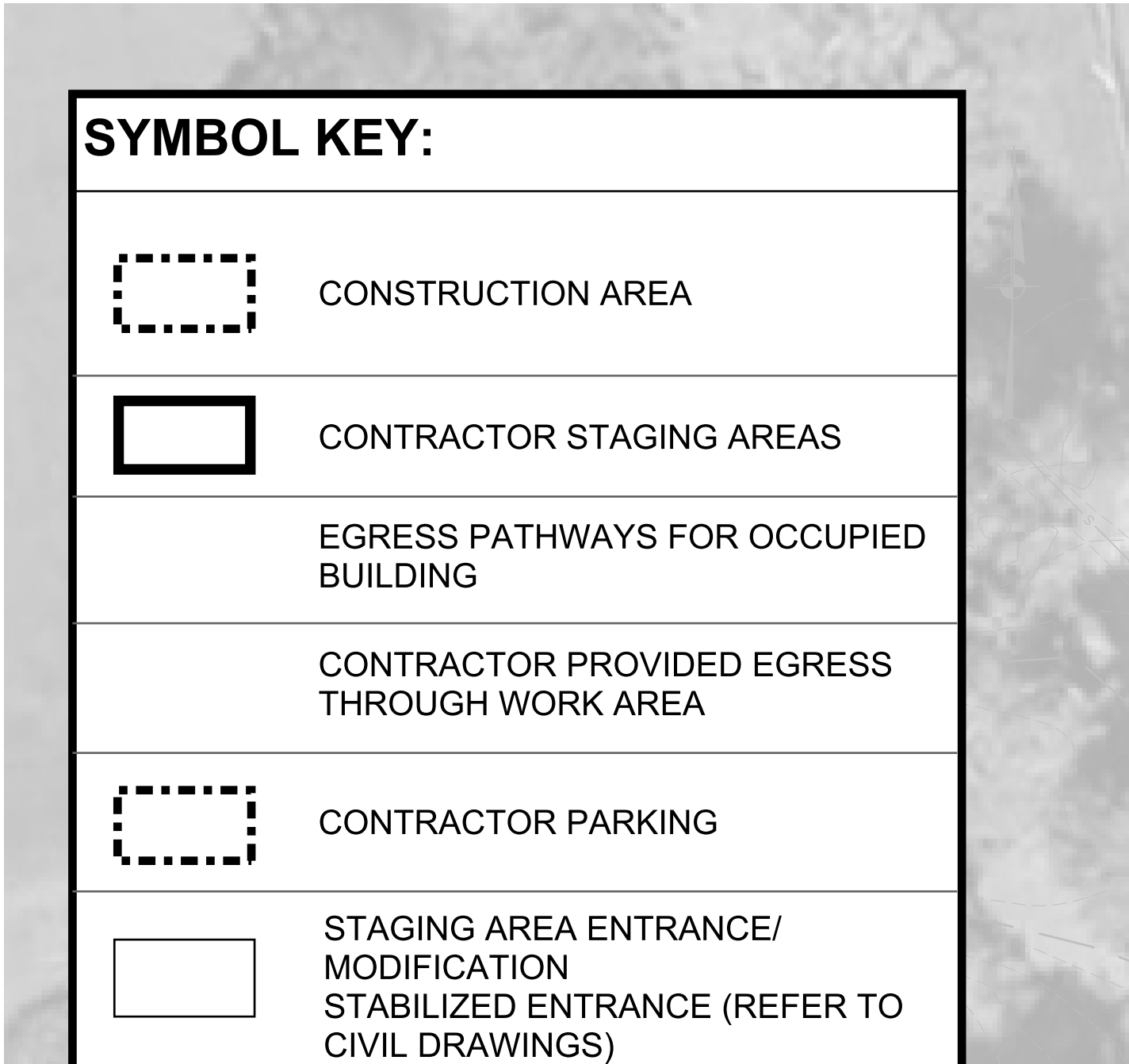
If the Bid is a joint venture or partnership, add additional forms of execution for each member of the joint venture in the appropriate form or forms as above.

Subscribed and sworn before me this day of____ 20_____

Notary Public: _____

My Commission Expire: _____

END OF BID FORM



SYMBOL KEY:

	CONSTRUCTION AREA
	CONTRACTOR STAGING AREAS
	EGRESS PATHWAYS FOR OCCUPIED BUILDING
	CONTRACTOR PROVIDED EGRESS THROUGH WORK AREA
	CONTRACTOR PARKING
	STAGING AREA ENTRANCE/ MODIFICATION STABILIZED ENTRANCE (REFER TO CIVIL DRAWINGS)

SYMBOL KEY:

6'-0" CONSTRUCTION CHAIN-LINK FENCE WITH PRIVACY SCREENING

4'-0" ORANGE SNOW NETTING

MG

MANGATE - W/ITH EGRESS HARDWARE
6030 DAC Standard Panic Exit Bar Kit for Chain Link Pedestrian Gate - Silver Mounting Plate or Similar

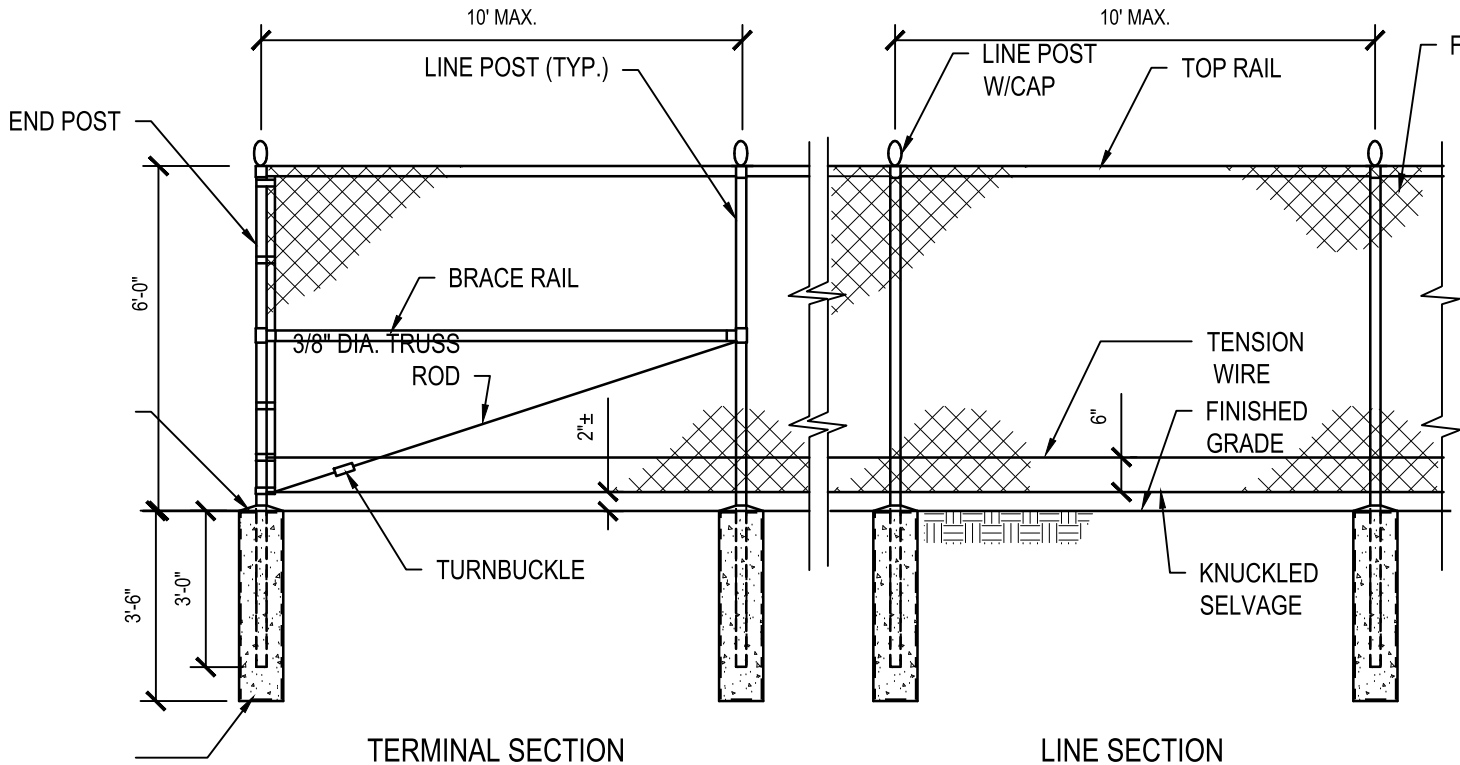
VG

20'-0" SWINGING CHAIN-LINK VEHICLE GATE
GATE SHALL BE LOCKED BY GENERAL CONSTRUCTION TRADE AT END OF EACH BUSINESS DAY, AND REMAIN CLOSED DURING CONSTRUCTION.

TEMPORARY SIGN SCHEDULE

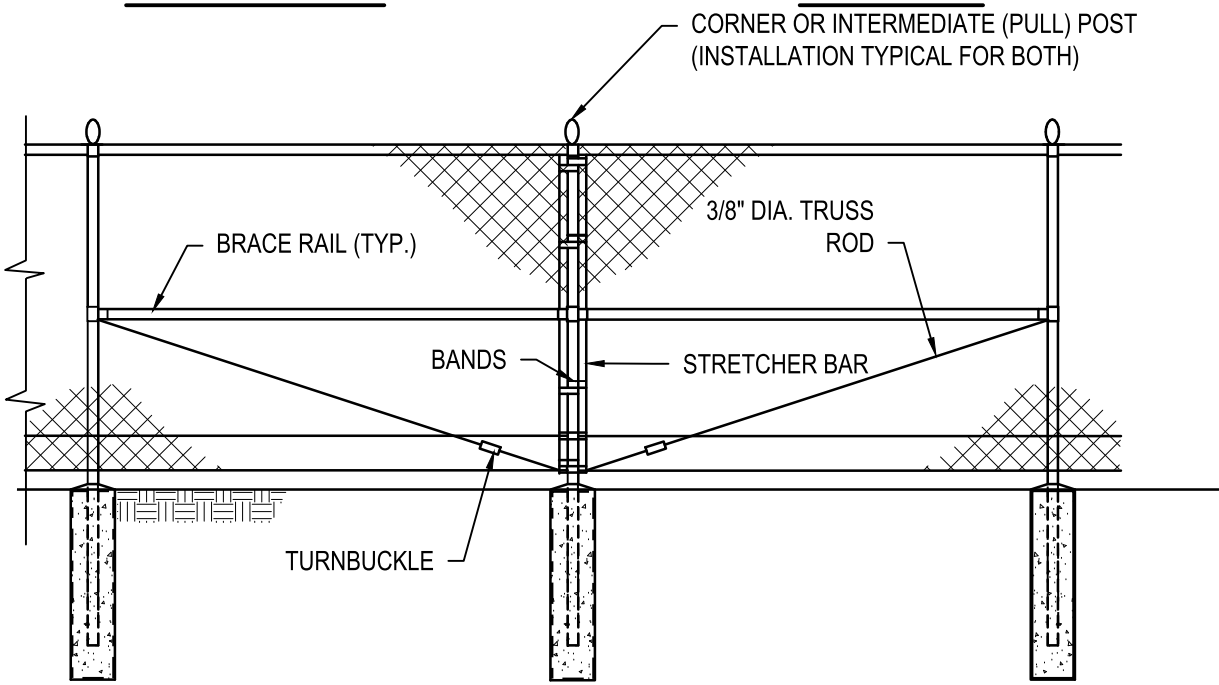
(24" x 24", 16 GA.STEEL)

1. CONSTRUCTION PARKING ENTRANCE
2. NO ADMITTANCE WITHOUT SIGNING IN AT C.M. OFFICE
3. CONSTRUCTION DELIVERIES
4. SLOW CHILDREN AT PLAY
5. STUDENT WALK
6. POST FOLLOWING SIGNS AT EACH CONSTRUCTION GATE ENTRANCE LOCATIONS,
   - DANGER - DO NOT ENTER
   - AUTHORIZED PERSONNEL ONLY
   - JOB SITE RULES (2'x3')
7. POST FOLLOWING SIGNS AT EACH ENTRANCE TO SCHOOL CAMPUS

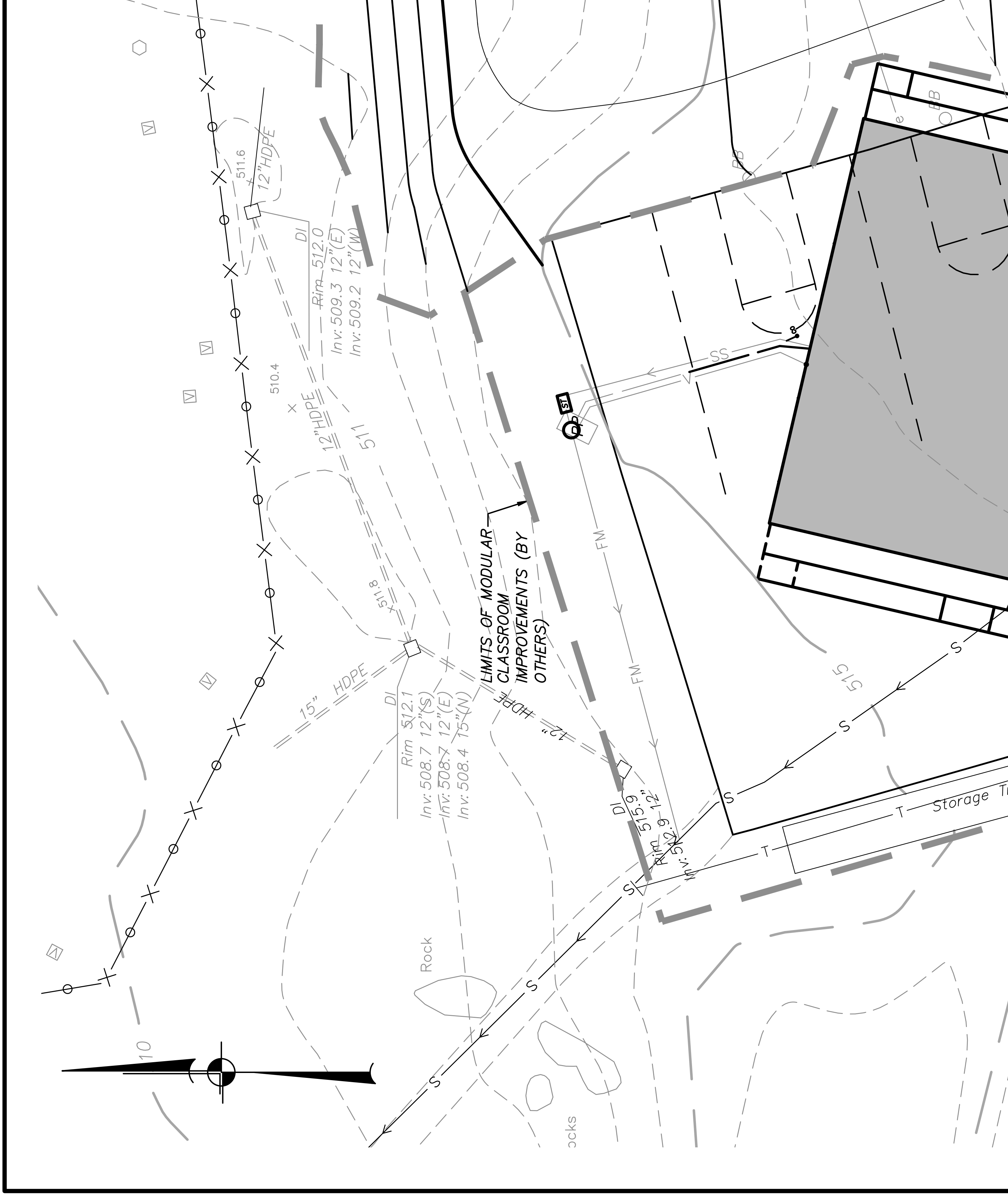


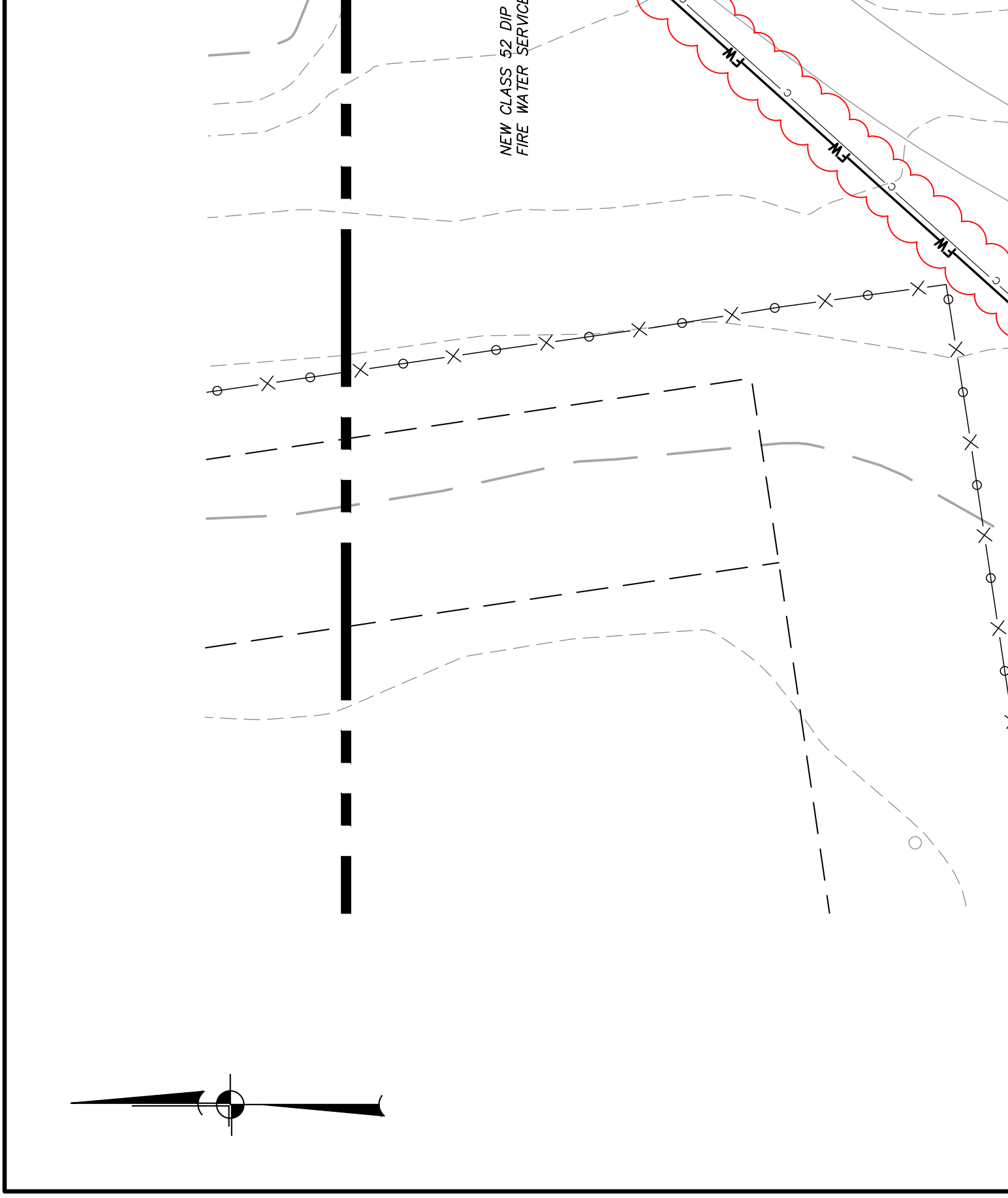
TERMINAL SECTION

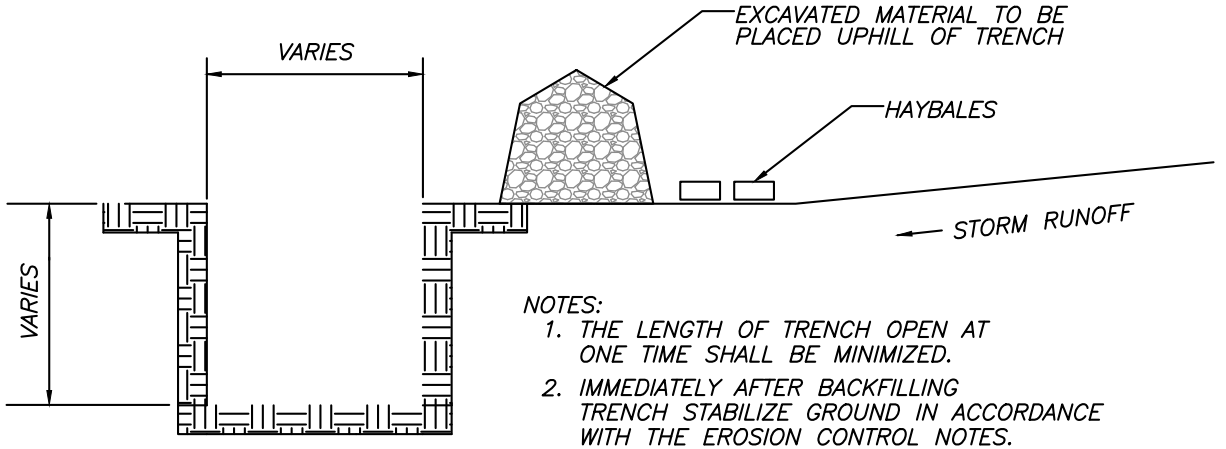
LINE SECTION



PULL OR CORNER SECTION


LIMITS OF MODULAR CLASSROOM IMPROVEMENTS (BY OTHERS)
12"HDPE
DI
Rim 512.0
Inv: 509.3 12"(E)
Inv: 509.2 12"(W)
511.6
510.4
12"HDPE
511
511.8
15" HDPE
DI
Rim 512.1
Inv: 508.7 12"(S)
Inv: 508.7 12"(E)
Inv: 508.4 15"(N)
12" HDPE
DI
Rim 515.9
Inv: 512.9 12"
515
SS
FM
FM
S
T
Storage
Rock
10
ST

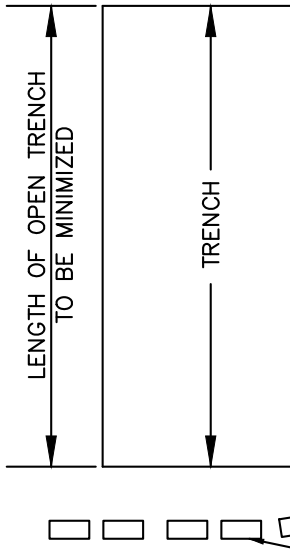

NEW CLASS 52 DIP
FIRE WATER SERVICE
FW
FW
FW



CROSS SECTION

NOTES:

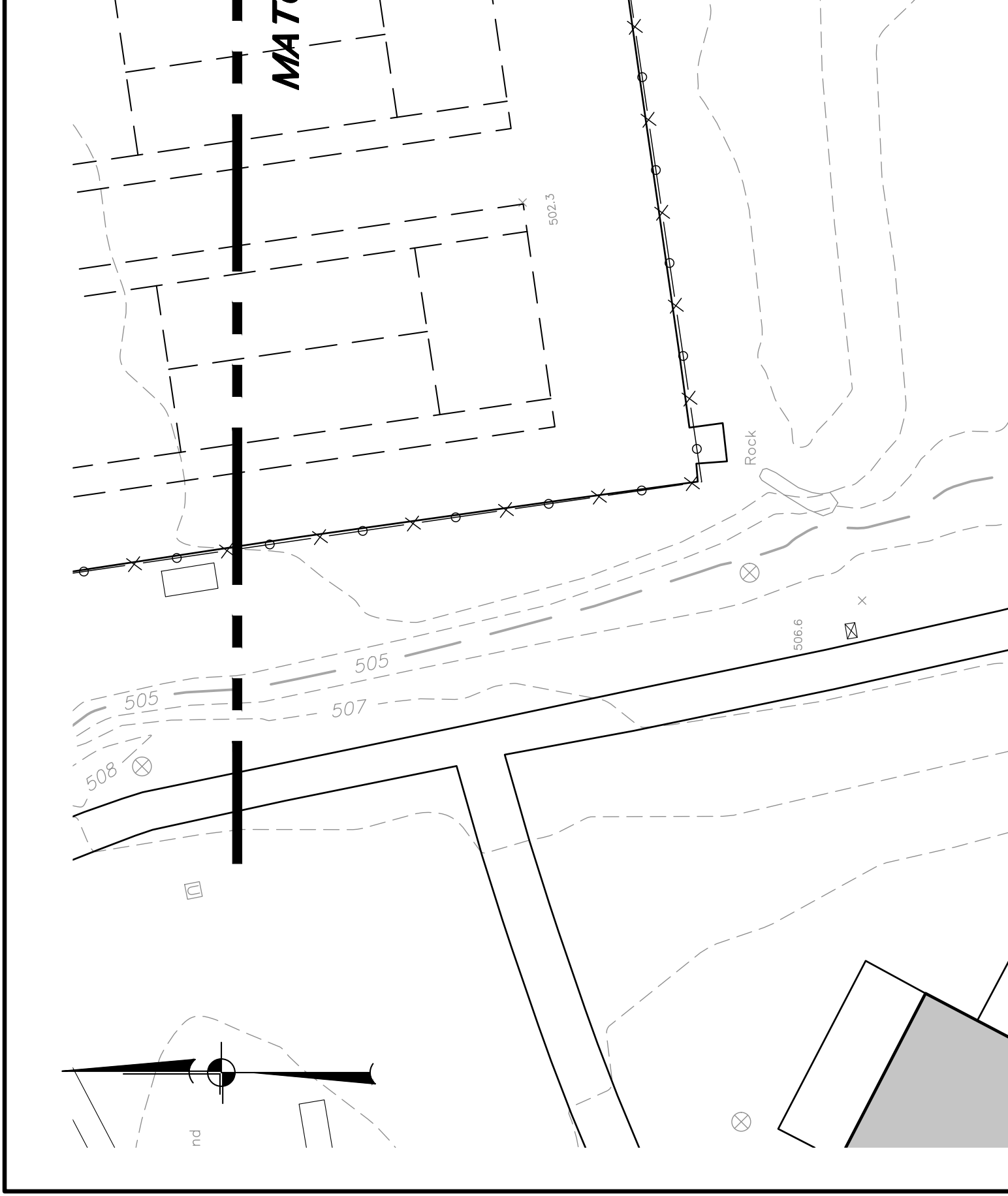
1. THE LENGTH OF TRENCH OPEN AT ONE TIME SHALL BE MINIMIZED.
2. IMMEDIATELY AFTER BACKFILLING TRENCH STABILIZE GROUND IN ACCORDANCE WITH THE EROSION CONTROL NOTES.
3. TRENCH EXCAVATIONS THAT MUST BE LEFT OPEN OVERNIGHT SHALL HAVE HAYBALES INSTALLED AT THE LOW END OF THE TRENCH AND AT THE TOE OF THE EXCAVATED MATERIAL.



PLAN SECTIO

UTILITY TRENCH EXCAVATION EROSION CONTROL DETAIL

(N.T.S.)


MA TO
502.3
Rock
506.6
505
505
507
508

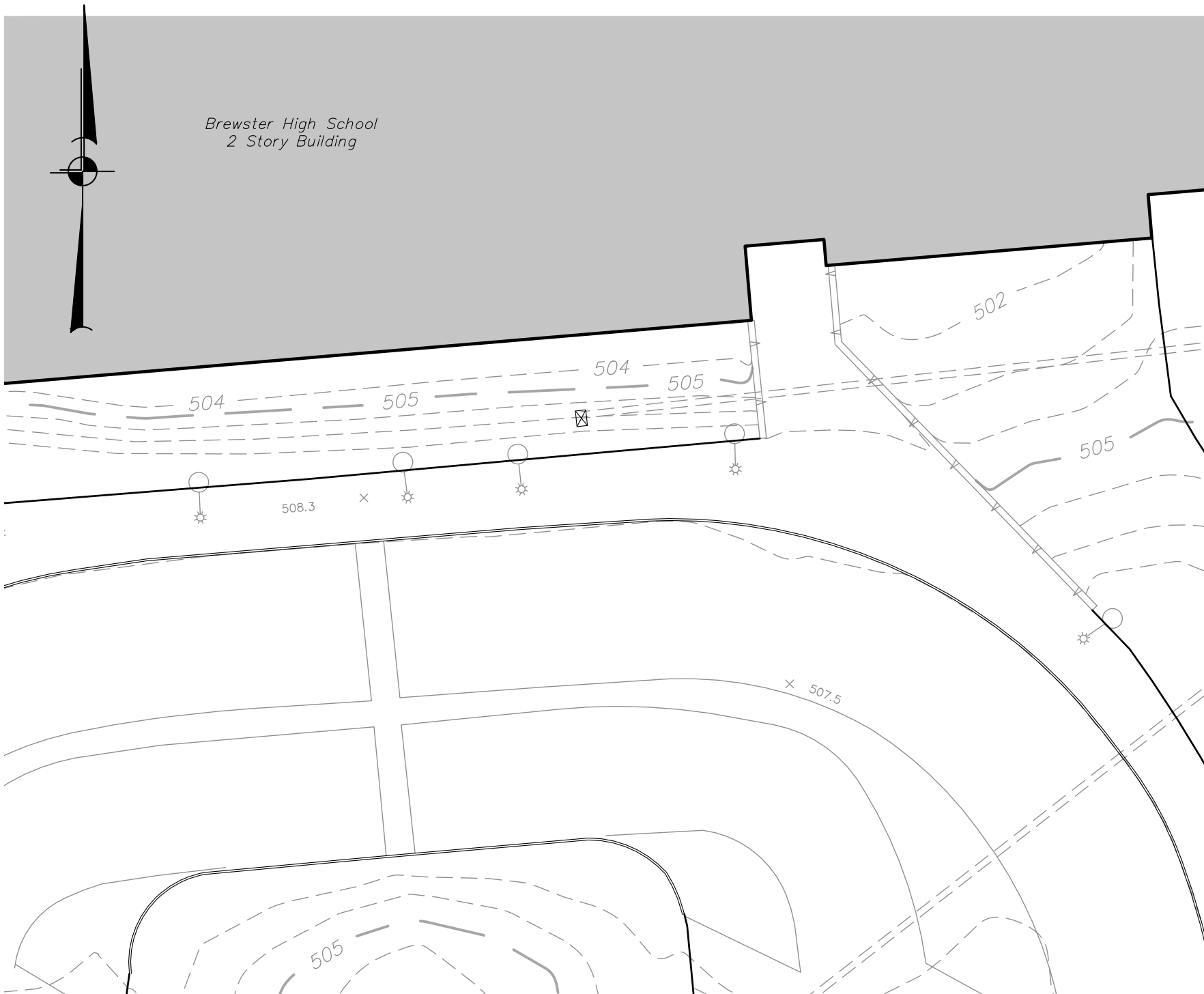
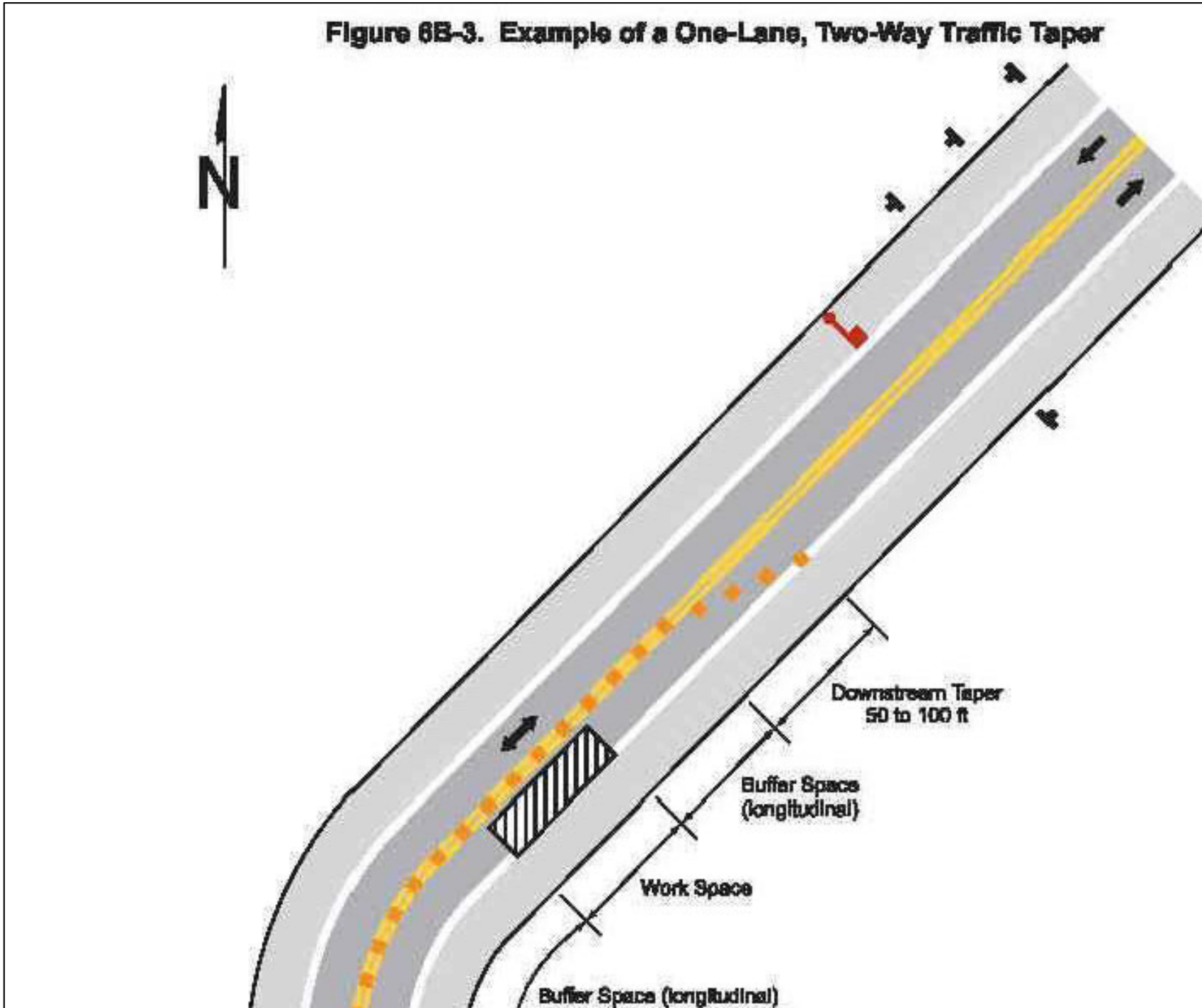
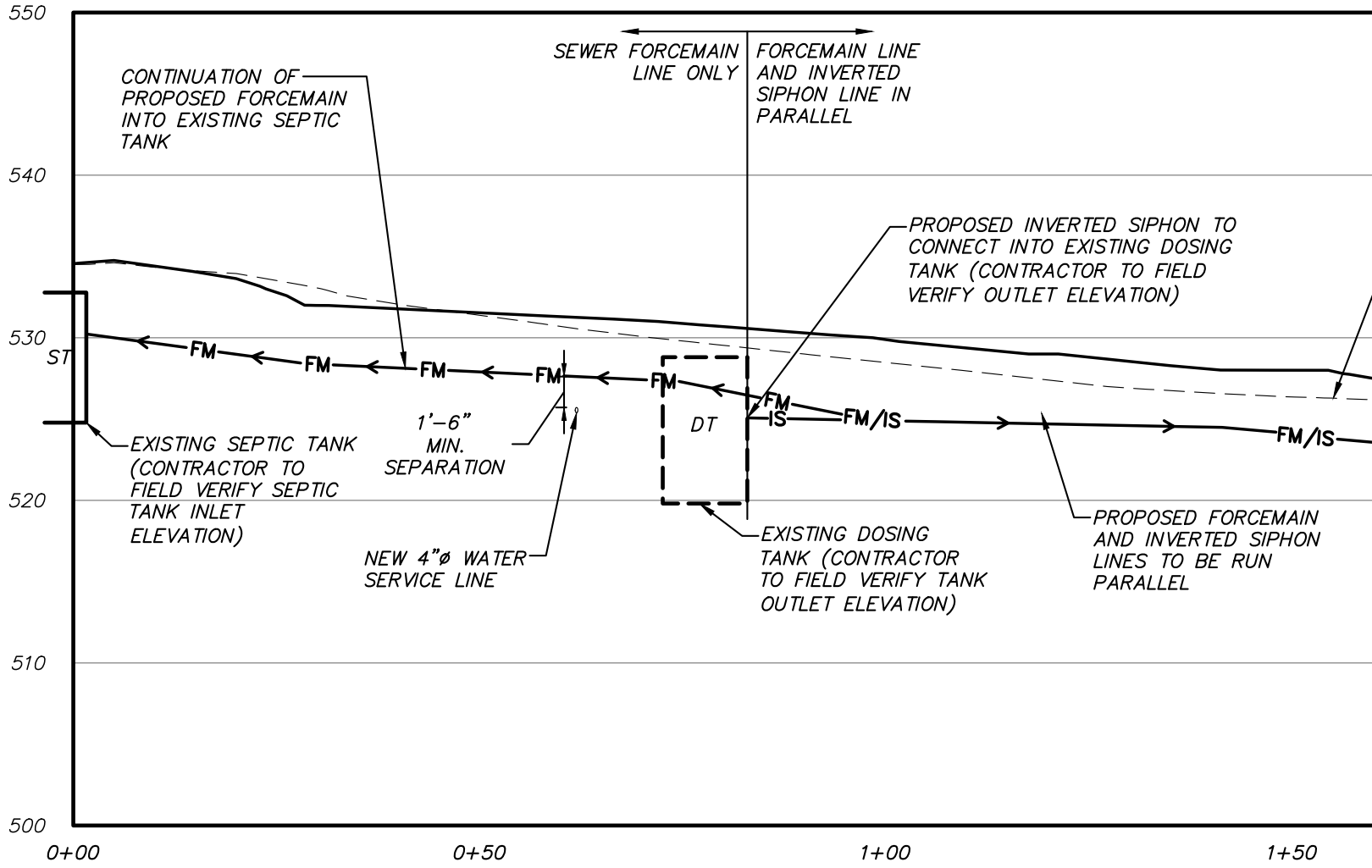

Brewster High School
2 Story Building
504
505
504
505
502
505
508.3
507.5
505

Figure 6B-3. Example of a One-Lane, Two-Way Traffic Taper




550
540
530
520
510
500
0+00
0+50
1+00
1+50
SEWER FORCEMAIN LINE ONLY
FORCEMAIN LINE AND INVERTED SIPHON LINE IN PARALLEL
CONTINUATION OF PROPOSED FORCEMAIN INTO EXISTING SEPTIC TANK
PROPOSED INVERTED SIPHON TO CONNECT INTO EXISTING DOSING TANK (CONTRACTOR TO FIELD VERIFY OUTLET ELEVATION)
ST
FM
FM
FM
FM
FM
FM
IS
FM/IS
FM/IS
DT
1'-6" MIN. SEPARATION
EXISTING SEPTIC TANK (CONTRACTOR TO FIELD VERIFY SEPTIC TANK INLET ELEVATION)
NEW 4"ø WATER SERVICE LINE
EXISTING DOSING TANK (CONTRACTOR TO FIELD VERIFY TANK OUTLET ELEVATION)
PROPOSED FORCEMAIN AND INVERTED SIPHON LINES TO BE RUN PARALLEL

SECTION 211313

WET-PIPE SPRINKLER SYSTEMS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Pipes, fittings, and specialties.
2. Fire-protection valves.
3. Fire-department connections.
4. Sprinklers.
5. Alarm devices.
6. Manual control stations.
7. Control panels.
8. Pressure gages.

1.3 DEFINITIONS

A. Standard-Pressure Sprinkler Piping: Wet-pipe sprinkler system piping designed to operate at working pressure of 175 psig maximum.

1.4 SYSTEM DESCRIPTIONS

A. Wet-Pipe Sprinkler System: Automatic sprinklers are attached to piping containing water and that is connected to water supply through alarm valve. Water discharges immediately from sprinklers when they are opened. Sprinklers open when heat melts fusible link or destroys frangible device. Hose connections are included if indicated.

1.5 PERFORMANCE REQUIREMENTS

A. Standard-Pressure Piping System Component: Listed for 175-psig minimum working pressure.

B. Sprinkler system design shall be approved by authorities having jurisdiction.

1. Sprinkler Occupancy Hazard Classifications:
   a. Office, Classrooms and Public Areas: Light Hazard.

2. Minimum Density for Automatic-Sprinkler Piping Design:

   a. Light-Hazard Occupancy: 0.10 gpm over 900-sq. ft. area.

3. Maximum Protection Area per Sprinkler: Per UL listing.
4. Maximum Protection Area per Sprinkler:

   a. Office Spaces and Public Areas: 225 sq. ft..
   b. Other Areas: According to NFPA 13 recommendations unless otherwise indicated.

5. Total Combined Hose-Stream Demand Requirement: According to NFPA 13 unless otherwise indicated:

   a. Light-Hazard Occupancies: 100 gpm for 30 minutes.

C. Seismic Performance: Sprinkler piping shall withstand the effects of earthquake motions determined according to NFPA 13 and ASCE/SEI 7.

1.6 SUBMITTALS

A. Product Data: For each type of product indicated. Include rated capacities, operating characteristics, electrical characteristics, and furnished specialties and accessories.

B. Shop Drawings: For wet-pipe sprinkler systems. Include plans, elevations, sections, details, and attachments to other work.

   1. Wiring Diagrams: For power, signal, and control wiring.

C. Delegated-Design Submittal: For sprinkler systems indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

D. Coordination Drawings: Sprinkler systems, drawn to scale, on which the following items are shown and coordinated with each other, using input from installers of the items involved:

   1. Domestic water piping.
   2. Items penetrating finished ceiling include the following:

      a. Lighting fixtures.

      b. HVAC diffusers and grilles.

E. Qualification Data: For qualified Installer and professional engineer.

F. Approved Sprinkler Piping Drawings: Working plans, prepared according to NFPA 13, that have been approved by authorities having jurisdiction, including hydraulic calculations if applicable.

G. Field Test Reports and Certificates: Indicate and interpret test results for compliance with performance requirements and as described in NFPA 13. Include "Contractor's Material and Test Certificate for Aboveground Piping."

H. Field quality-control reports.

I. Operation and Maintenance Data: For sprinkler specialties to include in emergency, operation, and maintenance manuals.

1.7 QUALITY ASSURANCE

A. Installer Qualifications:

1. Installer's responsibilities include designing, fabricating, and installing sprinkler systems and providing professional engineering services needed to assume engineering responsibility. Base calculations on results of fire-hydrant flow test.

a. Engineering Responsibility: Preparation of working plans, calculations, and field test reports by a qualified professional engineer.

B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.

C. NFPA Standards: Sprinkler system equipment, specialties, accessories, installation, and testing shall comply with the following:

1. NFPA 13, "Installation of Sprinkler Systems."
2. NFPA 24, "Installation of Private Fire Service Mains and Their Appurtenances."

1.8 COORDINATION

A. Coordinate layout and installation of sprinklers with other construction that penetrates ceilings, including light fixtures, HVAC equipment, and partition assemblies.

1.9 EXTRA MATERIALS

A. Furnish extra materials that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.

1. Sprinkler Cabinets: Finished, wall-mounted, steel cabinet with hinged cover, and with space for minimum of six spare sprinklers plus sprinkler wrench. Include number of sprinklers required by NFPA 13 and sprinkler wrench. Include separate cabinet with sprinklers and wrench for each type of sprinkler used on Project.

PART 2 - PRODUCTS

2.1 PIPING MATERIALS

A. Comply with requirements in "Piping Schedule" Article for applications of pipe, tube, and fitting materials, and for joining methods for specific services, service locations, and pipe sizes.

2.2 STEEL PIPE AND FITTINGS

A. Standard Weight, Black-Steel Pipe: ASTM A 53/A 53M, Type E, Grade B. Pipe ends may be factory or field formed to match joining method.

B. Malleable- or Ductile-Iron Unions: UL 860.

C. Cast-Iron Flanges: ASME 16.1, Class 125.

D. Steel Flanges and Flanged Fittings: ASME B16.5, Class 150.

E. Grooved-Joint, Steel-Pipe Appurtenances:

1. Pressure Rating: 175 psig minimum.
2. Grooved-End Fittings for Steel Piping: ASTM A 47/A 47M, malleable-iron casting or ASTM A 536, ductile-iron casting; with dimensions matching steel pipe.
3. Grooved-End-Pipe Couplings for Steel Piping: AWWA C606 and UL 213, rigid pattern, unless otherwise indicated, for steel-pipe dimensions. Include ferrous housing sections, EPDM-rubber gasket, and bolts and nuts.

F. Steel Pressure-Seal Fittings: UL 213, FM-approved, 175-psig pressure rating with steel housing, rubber O-rings, and pipe stop; for use with fitting manufacturers' pressure-seal tools.

2.3 PIPING JOINING MATERIALS

A. Pipe-Flange Gasket Materials: AWWA C110, rubber, flat face, 1/8 inch thick or ASME B16.21, nonmetallic and asbestos free.

1. Class 125, Cast-Iron Flanges and Class 150, Bronze Flat-Face Flanges: Full-face gaskets.
2. Class 250, Cast-Iron Flanges and Class 300, Steel Raised-Face Flanges: Ring-type gaskets.

B. Metal, Pipe-Flange Bolts and Nuts: ASME B18.2.1, carbon steel unless otherwise indicated.

2.4 LISTED FIRE-PROTECTION VALVES

A. General Requirements:

1. Valves shall be UL listed or FM approved.
2. Minimum Pressure Rating for Standard-Pressure Piping: 175 psig.

B. Ball Valves:

1. Standard: UL 1091 except with ball instead of disc.
2. Valves NPS 1-1/2 and Smaller: Bronze body with threaded ends.
3. Valves NPS 2 and NPS 2-1/2: Bronze body with threaded ends or ductile-iron body with grooved ends.
4. Valves NPS 3: Ductile-iron body with grooved ends.

C. Bronze Butterfly Valves:

1. Standard: UL 1091.
2. Pressure Rating: 175 psig.
3. Body Material: Bronze.
4. End Connections: Threaded.

D. Iron Butterfly Valves:

1. Standard: UL 1091.
2. Pressure Rating: 175 psig.
3. Body Material: Cast or ductile iron.
4. Style: Lug or wafer.
5. End Connections: Grooved.

E. Check Valves:

1. Standard: UL 312.
2. Pressure Rating: 150 psig minimum.
3. Type: Swing check.
4. Body Material: Cast iron.
5. End Connections: Flanged or grooved.

F. Bronze OS&Y Gate Valves:

1. Standard: UL 262.
2. Pressure Rating: 175 psig.
3. Body Material: Bronze.
4. End Connections: Threaded.

G. Iron OS&Y Gate Valves:

1. Standard: UL 262.
2. Pressure Rating: 150 psig minimum.
3. Body Material: Cast or ductile iron.
4. End Connections: Flanged or grooved.

H. Indicating-Type Butterfly Valves:

1. Standard: UL 1091.
2. Pressure Rating: 175 psig minimum.
3. Valves NPS 2 and Smaller:

    a. Valve Type: Ball or butterfly.
    b. Body Material: Bronze.
    c. End Connections: Threaded.

4. Valves NPS 2-1/2 and Larger:

   a. Valve Type: Butterfly.
   b. Body Material: Cast or ductile iron.
   c. End Connections: Flanged, grooved, or wafer.

I. NRS Gate Valves:

1. Standard: UL 262.
2. Pressure Rating: 150 psig minimum.
3. Body Material: Cast iron with indicator post flange.
4. Stem: Nonrising.
5. End Connections: Flanged or grooved.

2.5 TRIM AND DRAIN VALVES

A. General Requirements:

1. Standard: UL's "Fire Protection Equipment Directory" listing or "Approval Guide," published by FM Global, listing.
2. Pressure Rating: 175 psig minimum.

2.6 SPECIALTY VALVES

A. General Requirements:

1. Standard: UL's "Fire Protection Equipment Directory" listing or "Approval Guide," published by FM Global, listing.
2. Pressure Rating:

   a. Standard-Pressure Piping Specialty Valves: 175 psig minimum.

3. Body Material: Cast or ductile iron.
4. Size: Same as connected piping.
5. End Connections: Flanged or grooved.

B. Alarm Valves:

1. Standard: UL 193.
2. Design: For horizontal or vertical installation.
3. Include trim sets for bypass, drain, electrical sprinkler alarm switch, pressure gages, retarding chamber, and fill-line attachment with strainer.
4. Drip Cup Assembly: Pipe drain without valves and separate from main drain piping.
5. Drip Cup Assembly: Pipe drain with check valve to main drain piping.

C. Automatic (Ball Drip) Drain Valves:

1. Standard: UL 1726.
2. Pressure Rating: 175 psig minimum.
3. Type: Automatic draining, ball check.

4. Size: NPS 3/4.
5. End Connections: Threaded.

2.7 FIRE-DEPARTMENT CONNECTIONS

A. Exposed-Type, Fire-Department Connection:

1. Manufacturers: Subject to compliance with requirements, available manufacturers offering products that may be incorporated into the Work include, but are not limited to, the following:

    a. AFAC Inc.
    b. Elkhart Brass Mfg. Company, Inc.
    c. Croker Corporation.
    d. Fire Protection Products, Inc.
    e. GMR International Equipment Corporation.
    f. Guardian Fire Equipment, Inc.
    g. Tyco Fire & Building Products LP.
    h. Wilson & Cousins Inc.

2. Standard: UL 405.
3. Type: Exposed, projecting, for wall mounting.
4. Pressure Rating: 175 psig (1200 kPa) minimum.
5. Body Material: Corrosion-resistant metal.
6. Inlets: Brass with threads according to NFPA 1963 and matching local fire-department sizes and threads. Include extension pipe nipples, brass lugged swivel connections, and check devices or clappers.
7. Caps: Brass, lugged type, with gasket and chain.
8. Escutcheon Plate: Round, brass, wall type.
9. Outlet: Back, with pipe threads.
10. Number of Inlets: Two.
11. Escutcheon Plate Marking: Similar to "AUTO SPKR."
12. Finish: Polished chrome plated.
13. Outlet Size: NPS 4 (DN 100).

2.8 SPRINKLER SPECIALTY PIPE FITTINGS

A. Branch Outlet Fittings:

1. Standard: UL 213.
2. Pressure Rating: 175 psig minimum.
3. Body Material: Ductile-iron housing with EPDM seals and bolts and nuts.
4. Type: Mechanical-T and -cross fittings.
5. Configurations: Snap-on and strapless, ductile-iron housing with branch outlets.
6. Size: Of dimension to fit onto sprinkler main and with outlet connections as required to match connected branch piping.
7. Branch Outlets: Grooved, plain-end pipe, or threaded.

B. Flow Detection and Test Assemblies:

1. Standard: UL's "Fire Protection Equipment Directory" listing or "Approval Guide," published by FM Global, listing.
2. Pressure Rating: 175 psig minimum.
3. Body Material: Cast- or ductile-iron housing with orifice, sight glass, and integral test valve.
4. Size: Same as connected piping.
5. Inlet and Outlet: Threaded.

C. Sprinkler Inspector's Test Fittings:

1. Standard: UL's "Fire Protection Equipment Directory" listing or "Approval Guide," published by FM Global, listing.
2. Pressure Rating: 175 psig minimum.
3. Body Material: Cast- or ductile-iron housing with sight glass.
4. Size: Same as connected piping.
5. Inlet and Outlet: Threaded.

D. Adjustable Drop Nipples:

1. Standard: UL 1474.
2. Pressure Rating: 150 psig minimum.
3. Body Material: Steel pipe with EPDM-rubber O-ring seals.
4. Size: Same as connected piping.
5. Length: Adjustable.
6. Inlet and Outlet: Threaded.

2.9 SPRINKLERS

A. General Requirements:

1. Standard: UL's "Fire Protection Equipment Directory" listing or "Approval Guide," published by FM Global, listing.
2. Pressure Rating for Automatic Sprinklers: 175 psig minimum.

B. Automatic Sprinklers with Heat-Responsive Element:

1. Quick response: UL 1767.
2. Nonresidential Applications: UL 199.
3. Characteristics: Nominal 1/2-inch orifice with Discharge Coefficient K of 5.6, and for "Ordinary" temperature classification rating unless otherwise indicated or required by application.

C. Sprinkler Finishes:

1. Chrome plated.
2. Bronze.
3. Painted.

D. Special Coatings:
1. Corrosion-resistant paint.

E. Sprinkler Escutcheons: Materials, types, and finishes for the following sprinkler mounting applications. Escutcheons for concealed, flush, and recessed-type sprinklers are specified with sprinklers.

1. Ceiling Mounting:

Chrome-plated steel, one piece, flat

Chrome-plated steel, two piece, with 1-inch vertical adjustment

Plastic-white finish, one piece,

2. Sidewall Mounting: Plastic, white finish, one piece, flat.

F. Sprinkler Guards:

1. Standard: UL 199.
2. Type: Wire cage with fastening device for attaching to sprinkler.

2.10 ALARM DEVICES

A. Alarm-device types shall match piping and equipment connections.

B. Water-Motor-Operated Alarm:

1. Standard: UL 753.
2. Type: Mechanically operated, with Pelton wheel.
3. Alarm Gong: Cast aluminum with red-enamel factory finish.
4. Size: 10-inch diameter.
5. Components: Shaft length, bearings, and sleeve to suit wall construction.
6. Inlet: NPS 3/4.
7. Outlet: NPS 1 drain connection.

C. Electrically Operated Alarm Bell:

1. Standard: UL 464.
2. Type: Vibrating, metal alarm bell.
3. Size: 6-inch minimum- diameter.
4. Finish: Red-enamel factory finish, suitable for outdoor use.

D. Water-Flow Indicators:

1. Standard: UL 346.
2. Water-Flow Detector: Electrically supervised.
3. Components: Two single-pole, double-throw circuit switches for isolated alarm and auxiliary contacts, 7 A, 125-V ac and 0.25 A, 24-V dc; complete with factory-set, field-adjustable retard element to prevent false signals and tamperproof cover that sends signal if removed.
4. Type: Paddle operated.
5. Pressure Rating: 250 psig.
6. Design Installation: Horizontal or vertical.

E. Pressure Switches:

1. Standard: UL 346.
2. Type: Electrically supervised water-flow switch with retard feature.
3. Components: Single-pole, double-throw switch with normally closed contacts.
4. Design Operation: Rising pressure signals water flow.

F. Valve Supervisory Switches:

1. Standard: UL 346.
2. Type: Electrically supervised.
3. Components: Single-pole, double-throw switch with normally closed contacts.
4. Design: Signals that controlled valve is in other than fully open position.

2.11 PRESSURE GAGES

A. Standard: UL 393.

B. Dial Size: 3-1/2- to 4-1/2-inch diameter.

C. Pressure Gage Range: 0 to 250 psig minimum.

D. Water System Piping Gage: Include "WATER" or "AIR/WATER" label on dial face.

E. Air System Piping Gage: Include retard feature and "AIR" or "AIR/WATER" label on dial face.

PART 3 - EXECUTION

3.1 PREPARATION

A. Perform fire-hydrant flow test according to NFPA 13 and NFPA 291. Use results for system design calculations required in "Quality Assurance" Article.

B. Report test results promptly and in writing.

3.2 SERVICE-ENTRANCE PIPING

A. Connect sprinkler piping to water-service piping for service entrance to building.

B. Install shutoff valve, check valve, pressure gage, and drain at connection to water service.

3.3 WATER-SUPPLY CONNECTIONS

A. Connect sprinkler piping to building's entry interior water-distribution piping.

B. Install shutoff valve, back flow preventer, check valve, pressure gage, and drain at connection to water supply.

3.4 PIPING INSTALLATION

A. Locations and Arrangements: Drawing plans, schematics, and diagrams indicate general location and arrangement of piping. Install piping as indicated, as far as practical.

1. Deviations from approved working plans for piping require written approval from authorities having jurisdiction. File written approval with Architect before deviating from approved working plans.

B. Piping Standard: Comply with requirements for installation of sprinkler piping in NFPA 13.

C. Install seismic restraints on piping. Comply with requirements for seismic-restraint device materials and installation in NFPA 13.

D. Use listed fittings to make changes in direction, branch takeoffs from mains, and reductions in pipe sizes.

E. Install unions adjacent to each valve in pipes NPS 2 and smaller.

F. Install flanges, flange adapters, or couplings for grooved-end piping on valves, apparatus, and equipment having NPS 2-1/2 and larger end connections.

G. Install "Inspector's Test Connections" in sprinkler system piping, complete with shutoff valve, and sized and located according to NFPA 13.

H. Install sprinkler piping with drains for complete system drainage.

I. Install automatic (ball drip) drain valve at each check valve for fire-department connection, to drain piping between fire-department connection and check valve. Install drain piping to and spill over floor drain or to outside building.

J. Install alarm devices in piping systems.

K. Install hangers and supports for sprinkler system piping according to NFPA 13. Comply with requirements for hanger materials in NFPA 13.

L. Install pressure gages on riser or feed main, at each sprinkler test connection, and at top of each standpipe. Include pressure gages with connection not less than NPS 1/4 and with soft metal seated globe valve, arranged for draining pipe between gage and valve. Install gages to permit removal, and install where they will not be subject to freezing.

M. Fill sprinkler system piping with water.

N. Install sleeves for piping penetrations of walls, ceilings, and floors.

O. Install sleeve seals for piping penetrations of concrete walls and slabs.

P. Install escutcheons for piping penetrations of walls, ceilings, and floors.

3.5 JOINT CONSTRUCTION

A. Install couplings, flanges, flanged fittings, unions, nipples, and transition and special fittings that have finish and pressure ratings same as or higher than system's pressure rating for aboveground applications unless otherwise indicated.

B. Install unions adjacent to each valve in pipes NPS 2 and smaller.

C. Install flanges, flange adapters, or couplings for grooved-end piping on valves, apparatus, and equipment having NPS 2-1/2 and larger end connections.

D. Ream ends of pipes and tubes and remove burrs. Bevel plain ends of steel pipe.

E. Remove scale, slag, dirt, and debris from inside and outside of pipes, tubes, and fittings before assembly.

F. Flanged Joints: Select appropriate gasket material in size, type, and thickness suitable for water service. Join flanges with gasket and bolts according to ASME B31.9.

G. Threaded Joints: Thread pipe with tapered pipe threads according to ASME B1.20.1. Cut threads full and clean using sharp dies. Ream threaded pipe ends to remove burrs and restore full ID. Join pipe fittings and valves as follows:

1. Apply appropriate tape to external pipe threads.
2. Damaged Threads: Shall not use pipe or pipe fittings with threads that are corroded or damaged.

H. Steel-Piping, Cut-Grooved Joints: Cut square-edge groove in end of pipe according to AWWA C606. Assemble coupling with housing, gasket, lubricant, and bolts. Join steel pipe and grooved-end fittings according to AWWA C606 for steel-pipe joints.

I. Steel-Piping, Roll-Grooved Joints: Roll rounded-edge groove in end of pipe according to AWWA C606. Assemble coupling with housing, gasket, lubricant, and bolts. Join steel pipe and grooved-end fittings according to AWWA C606 for steel-pipe grooved joints.

J. Dissimilar-Material Piping Joints: Make joints using adapters compatible with materials of both piping systems.

3.6 VALVE AND SPECIALTIES INSTALLATION

A. Install listed fire-protection valves, trim and drain valves, specialty valves and trim, controls, and specialties according to NFPA 13 and authorities having jurisdiction.

B. Install listed fire-protection shutoff valves supervised open, located to control sources of water supply except from fire-department connections. Install permanent identification signs indicating portion of system controlled by each valve.

C. Specialty Valves:

1. General Requirements: Install in vertical position for proper direction of flow, in main supply to system.
2. Alarm Valves: Include bypass check valve and retarding chamber drain-line connection.

3.7 FIRE-DEPARTMENT CONNECTION INSTALLATION

A. Install wall-type, fire-department connections.

B. Install automatic (ball drip) drain valve at each check valve for fire-department connection.

3.8 IDENTIFICATION

A. Install labeling and pipe markers on equipment and piping according to requirements in NFPA 13.

B. Identify system components, wiring, cabling, and terminals.

3.9 FIELD QUALITY CONTROL

A. Perform tests and inspections.

B. Tests and Inspections:

1. Leak Test: After installation, charge systems and test for leaks. Repair leaks and retest until no leaks exist.
2. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
3. Flush, test, and inspect sprinkler systems according to NFPA 13, "Systems Acceptance" Chapter.
4. Energize circuits to electrical equipment and devices.
5. Coordinate with fire-alarm tests. Operate as required.
6. Coordinate with fire-pump tests. Operate as required.
7. Verify that equipment hose threads are same as local fire-department equipment.

C. Sprinkler piping system will be considered defective if it does not pass tests and inspections.

D. Prepare test and inspection reports.

3.10 CLEANING

A. Clean dirt and debris from sprinklers.

B. Remove and replace sprinklers with paint other than factory finish.

3.11 DEMONSTRATION

A. Train Owner's maintenance personnel to adjust, operate, and maintain specialty valves and pressure-maintenance pumps.

3.12 PIPING SCHEDULE

A. Piping between Fire-Department Connections and Check Valves: Galvanized, standard-weight steel pipe with grooved ends; grooved-end fittings; grooved-end-pipe couplings; and grooved joints.

B. Sprinkler specialty fittings may be used, downstream of control valves, instead of specified fittings.

C. Standard-pressure, wet-pipe sprinkler system, NPS 2 and smaller, shall be one of the following:

1. Standard-weight, black-steel pipe with threaded ends; uncoated, gray-iron threaded fittings; and threaded joints.

D. Standard-pressure, wet-pipe sprinkler system, NPS 2-1/2 to NPS 4, shall be one of the following:

1. Standard-weight, black-steel pipe with threaded ends; uncoated, gray-iron threaded fittings; and threaded joints.
2. Standard-weight, black-steel pipe with cut or roll grooved ends; uncoated, grooved-end fittings for steel piping; grooved-end-pipe couplings for steel piping; and grooved joints.

E. Standard-pressure, wet-pipe sprinkler system, NPS 5 and larger, shall be one of the following:

1. Standard-weight, black-steel pipe with threaded ends; uncoated, gray-iron threaded fittings; and threaded joints.
2. Standard-weight, black-steel pipe with cut- or roll grooved ends; uncoated, grooved-end fittings for steel piping; grooved-end-pipe couplings for steel piping; and grooved joints.

3.13 SPRINKLER SCHEDULE

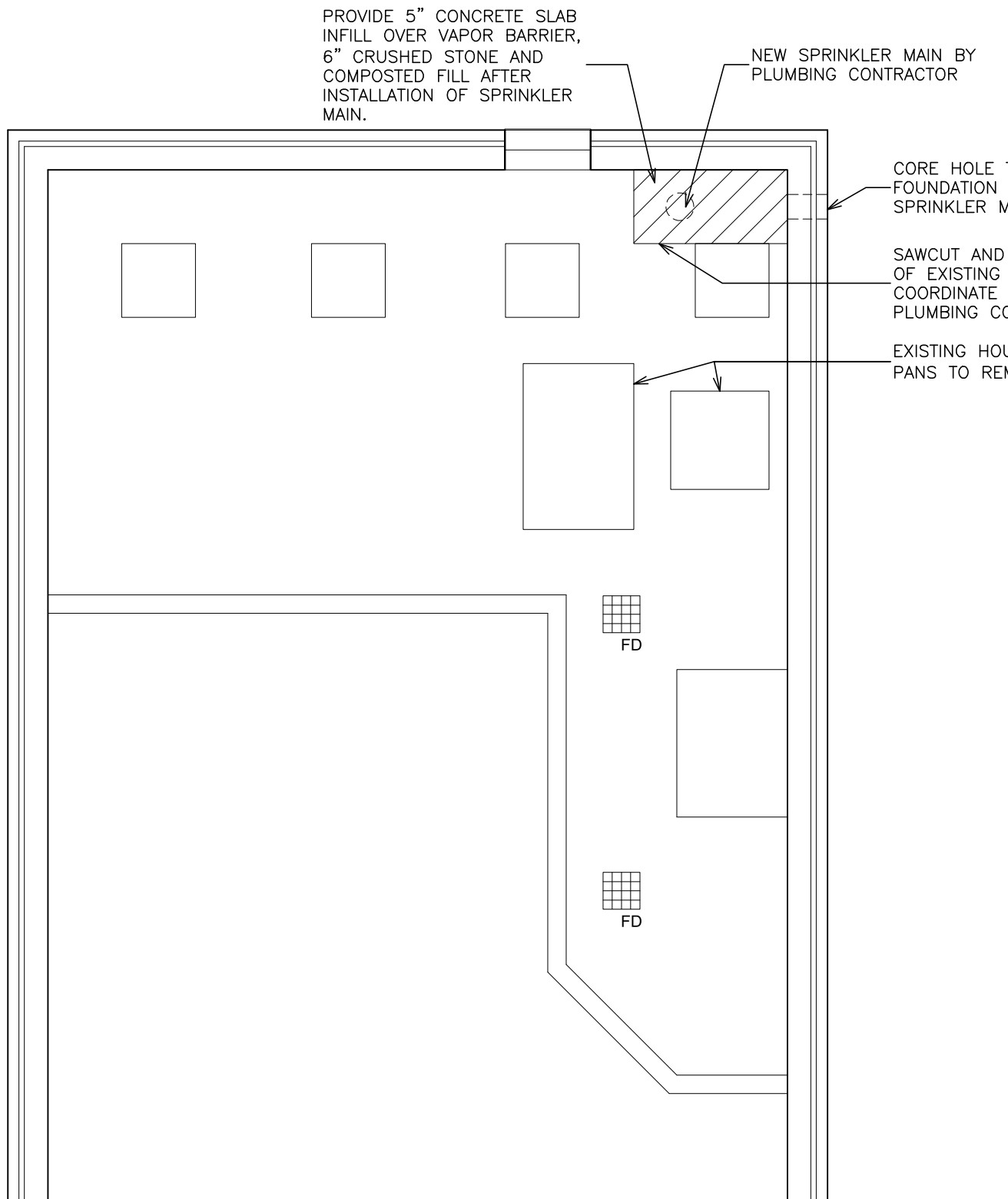
A. Use sprinkler types in subparagraphs below for the following applications:

1. Rooms without Ceilings: Upright sprinklers.
2. Wall Mounting: Sidewall sprinklers.
3. Special Applications: Extended-coverage and quick-response sprinklers where indicated.

B. Provide sprinkler types in subparagraphs below with finishes indicated.

1. Upright, Pendent and Sidewall Sprinklers: Chrome plated in finished spaces exposed to view; rough bronze in unfinished spaces not exposed to view; wax coated where exposed to acids, chemicals, or other corrosive fumes.

END OF SECTION 211313


PROVIDE 5" CONCRETE SLAB INFILL OVER VAPOR BARRIER, 6" CRUSHED STONE AND COMPOSTED FILL AFTER INSTALLATION OF SPRINKLER MAIN.
NEW SPRINKLER MAIN BY PLUMBING CONTRACTOR
CORE HOLE
FOUNDATION
SPRINKLER M
SAWCUT AND
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12/17/2024

TRITON CONSTRUCTION

Brewster CSD-CVS Cafetorium
New Edition & Existing Cafeteria Conversion

Pre-Bid Walkthrough

Name	Company	Phone Number	Email Address
David McConnell	INSITE	914-224-3948	dmcconnell@insite-eng.com
Eric Schlobohm	Insite Engineering, Surveying & Landscape Architecture	845-225-9690	eschlobohm@insite-eng.com
William J. Means	Fuller D'Angelo	914-592-4444	williamm@fullerdangelo.com
Glen Freyer	BCSD		gfreyer@brewsterschools.org
John Hansen	Triton Construction Co.	516-427-3160	jhansen@tritonconstruction.net
Kim Williams	Triton Construction	845-743-5974	kwilliams@tritonconstruction.net
Tony Monaco	Pierotti Corp	914-233-9990	tonym@pierotticorp.com
Keith Bligh	OCS Industries	845692-8450	estimating@ocsindustries.com
Anthony Malfitano	Bertussi	845-653-6013	amalfitano@bertussi.com
Richard Sileo	LFG	2038664626	rsileo@lfginc.com
John A. Mallan	[illegible]	845-279-7079	[illegible]
Jessica Horn	Ferrari & Sons Inc.	845 4520387	jessica@ferrariandsonsinc.com

SECTION 00 2115
RFI FORM

CONTRACTOR'S REQUEST FOR INTERPRETATION NO. 1 **F&D RFI NO:** 001
(F&D USE)

NAME OF PROJECT: **CV Starr Cafetorium Addition, Interior Renovation & Related Work**
NAME OF OWNER: **Brewster Central School District**
FACILITY: **CV Starr Intermediate School**
DATE: 12/17/2024
A/E PROJECT NO: **23505.02**
ARCHITECT: **Architect**
45 Knollwood Road, Elmsford, NY 10523
Tel: 914-592-4444; Fax: 914-592-1717
William Means, RA **WilliamM@fullerdangelo.com**

Refer to Section 00 2113 Par 1.13 for additional requirements.

FROM (CO. NAME): Key Construction Services
CONTACT NAME: Tony Cimahosky
Tel: 570-228-1488 **E-mail:** tcimahosky@contactkcs.com
SUBJECT: ______
DISCIPLINE/TRADE: Storefront / Glazing
DWG./SPEC. REFERENCE: ______
QUESTION: Please see attached RFI from subcontractor.

___ **FIELD CONDITION** ______
___ **DRAWING/SPEC** ______
___ **DISCREPANCY** ______
___ **OWNER CHANGE** ______
___ **CLARIFICATION** ______
___ **CONTRACTOR'S SUGGESTION (IF APPLICABLE):** ______

ANSWER

ARCHITECT'S SIGNATURE: [signature] RA **DATE:** 12/18/2024

Note: review and any responses to this request for information by the architect/engineer is strictly for design intent only and does not constitute acknowledgement or acceptance of any cost or schedule implications unless specifically presented by the contractor. By submission of this request for information, the contractor assumes all responsibility in the absence of an approved change order or work directive.

1. No.
2. As per Window Schedule; 1" Insulated Low-E Glass
3. Blast Mitigation and Impact Resistance not required. Forced entry required. Will be addressed in upcoming Addendum.
4. Not required.
5. Not required.

	RFI
1	Drawing A725, CW2, CW3, CW4, CW5, CW6 (Alternate) - these do not need to be curtain wall.
	***Please advise if these elevations can be 6" UT storefront framing in lieu of curtain wall.**
2	Drawing A725 and A700
	Glazing elevations show type F at curtain walls on A725 and frames on A726.
	***Please confirm glazing type to quote for locations tagged F.**
3	Spec 085113
	Calls for Blast Mitigation, Forced entry and Impact resistance.
	***Please confirm if this is required.**
4	Spec ~~044813~~ 08 4413
	Does not mention Blast Mitigation, Forced entry and Impact resistance (but spec 085113 does).
	***Please confirm if this is required.**
5	Spec 088000
	Does not mention Blast Mitigation, Forced entry and Impact resistance (but spec 085113 does).
	***Please confirm if this is required.**

SECTION 00 2115
RFI FORM

CONTRACTOR'S REQUEST FOR INTERPRETATION NO. 01 **F&D RFI NO:** 002
(F&D USE)

NAME OF PROJECT: **CV Starr Cafetorium Addition, Interior Renovation & Related Work**
NAME OF OWNER: **Brewster Central School District**
FACILITY: **CV Starr Intermediate School**
DATE: 12/18/2024
A/E PROJECT NO: **23505.02**
ARCHITECT: **Architect**
45 Knollwood Road, Elmsford, NY 10523
Tel: 914-592-4444; Fax: 914-592-1717
William Means, RA **WilliamM@fullerdangelo.com**

Refer to Section 00 2113 Par 1.13 for additional requirements.

FROM (CO. NAME): Mid Hudson Construction Management
CONTACT NAME: Michelle Byrd
Tel: (845) 298-9230 **E-mail:** estimating@midhudsoncm.com
SUBJECT: RFI 01
DISCIPLINE/TRADE:
DWG./SPEC. REFERENCE:
QUESTION: Please see the attached RFI questions.

___ **FIELD CONDITION**
___ **DRAWING/SPEC**
___ **DISCREPANCY**
___ **OWNER CHANGE**
___ **CLARIFICATION**
___ **CONTRACTOR'S SUGGESTION (IF APPLICABLE):**

ANSWER
See below.

ARCHITECT'S SIGNATURE: WWL ML RA **DATE:** 12/18/2024

Note: review and any responses to this request for information by the architect/engineer is strictly for design intent only and does not constitute acknowledgement or acceptance of any cost or schedule implications unless specifically presented by the contractor. By submission of this request for information, the contractor assumes all responsibility in the absence of an approved change order or work directive.

Mid Hudson Construction Management Inc.
85 Civic Center Plaza – Suite 104
Poughkeepsie, NY 12601
PH: 845.298.9230
FX: 845.298.9169
www.midhudsoncm.com

Brewster Central School District
C.V. Starr Intermediate School
Cafetorium Addition, Interior Renovation & Related Work

December 18, 2024

RFI 01

Drawings A725, CW2, CW3, CW4, CW5, CW6 (Alternate) - These do not need to be curtain wall.
Please advise if these elevations can be 6" UT storefront framing in lieu of curtain wall.
No.

Drawing A725 & A700
Glazing elevations show Type F at curtain walls on A725 and frames on A726. Please confirm glazing type to quote for locations tagged F.
As per Window Schedule; 1" Insulated Low-E Glass.

Spec Section 085113
Calls for Blast Mitigation, Forced entry and Impact resistance. Please confirm if this is required.
Blast Mitigation and Impact Resistance not required. Forced entry required.

Spec Section 088000
Does not mention Blast Mitigation, Forced entry and Impact resistance, but spec 085113 does. Please confirm if this is required.
Not required.